



Re 38,344

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/994,640	
	Filing Date	11/28/2001	
	First Named Inventor	A. Kuriakose	
	Group Art Unit	3855	
	Examiner Name	Max Noon	
Total Number of Pages in This Submission	9	Attorney Docket Number	1004-75

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):  <div style="text-align: center;"><del>Certificate</del> <del>OCT 03 2002</del> <del>of Correction</del></div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Robert G. Hendry - Reg. 22927
Signature	<i>Robert G. Hendry</i>
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CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>			
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IN THE UNITED STATES PATENT AND TRADE MARKS OFFICE

Inventors: Areekattuthazhayil K. Kuriakose  
Nicola Maffei  
Application: 09/994,640  
Title: HYDROGEN SENSOR USING A SOLID HYDROGEN ION  
CONDUCTING ELECTROLYTE  
Art Unit: 3855  
Examiner: Max Noon  
Our File: 1004-75

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September 26, 2002

The Commissioner of Patents  
and Trade Marks,  
Washington, D.C., 20231  
U.S.A.

Dear Sir:

This is in response to the office action mailed  
July 30, 2002 in the above-identified application.

In the Abstract:

Please amend the abstract as follows:

A reliable gaseous hydrogen detection and  
measuring device which is simple, easy to use, does not  
require any reference gas supply, and which can be of  
reasonably rugged construction. The device utilizes a disc  
comprising a solid state ceramic hydronium conductor of the  
general formula  $[\text{Na}(\text{H}_3\text{O})\text{Zr}_2\text{Si}_x\text{P}_{(3-x)}\text{O}_{12}]$   $\text{Na}(\text{H}_3\text{O})_x\text{Zr}_2\text{Si}_x\text{P}_{(3-x)}\text{O}_{12}$   
together with a silver based electrode system on one side,